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TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application No.	10/085,272
		Filing Date	February 27, 2002
		First Named Inventor	Jung-yun Do
		Art Unit	1626
		Examiner Name	Fiona Powers
Total Number of Pages in This Submission	9	Attorney Docket Number	2013P023

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> PTO/SB/08 <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">Korean Office Action; Prior Art Reference (1); return postcard</div>
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Eric S. Hyman, Reg. No. 30,139 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	3/3/09

CERTIFICATE OF MAILING/TRANSMISSION			
I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.			
Typed or printed name	Melissa Stead		
Signature		Date	3-3-04



OFFICE TRANSMITTAL for FY 2004

Effective 01/01/2004. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT

(\$)

Complete if Known

Application Number 10/085,272
Filing Date February 27, 2002
First Named Inventor Jung-yun Do
Examiner Name Fiona Powers
Art Unit 1626
Attorney Docket No. 2013P023

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account

Deposit
Account
Number

02-2666

Deposit
Account
Name

Blakely, Sokoloff, Taylor & Zafman LLP

The Commissioner is authorized to: (check all that apply)

- ☒ Charge fee(s) indicated below ☐ Credit any overpayments
☒ Charge any additional fee(s) or underpayment of fees as required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)				(\$)	

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	20**	X	
Multiple Dependent	4	X	

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	86	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple Dependent claim, if not paid	
1204	86	2204	43	**Reissue independent claims over original patent	
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)				(\$)	

**or number previously paid, if greater, For Reissues, see below

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
2053	130	2053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920 *	1804	920 *	* Requesting publication of SIR prior to Examiner action	
1805	1,840 *	1805	1,840 *	* Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	1,210	2255	605	Extension for reply within fifth month	
1404	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	2451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	2460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	1809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify) _____					
SUBTOTAL (3)				(\$)	

* Reduced by Basic Filing Fee Paid

SUBMITTED BY

Complete (if applicable)

Name (Print/Type) Eric S. Hyman

Registration No.
(Attorney/Agent)

30,139

Telephone (310) 207-3800

Signature

Date

3/3/04

NOTICE TO SUBMIT RESPONSE

Patent Applicant

Name: Electronics and Telecommunications Research Institute et al.,
(Applicant Code: 319980077638)
Address: 161 Gajeong-dong, Yuseong-gu, Daejeon, Korea

Attorney

Name: Young-pil Lee et al.
Address: 2F Cheonghwa Bldg., 1571-18 Seocho-(3)dong, Seocho-ku, Seoul,
Korea

Application No.: 10-2001-0085041

Title of the Invention: Organic dye molecules and nonlinear optical polymeric compounds
containing chromophores

According to Article 63 of the Korean Patent Law, the applicant is notified that the present application has been rejected for the reasons given below. Any Argument or Amendment which the applicant may wish to submit, must be submitted by March 30, 2004. An indefinite number of one-month extensions in the period for submitting a response may be obtained upon request, however no official confirmation of the acceptance of a request for an extension will be issued.

Reasons

The invention as recited in claims 1, 3, 4, 6, 8 through 10 could have been easily invented by one of ordinary skill in the art prior to the filing of the application, and thus this application is rejected according to Article 29(2) of the Korean Patent Law for the following reasons.

The invention as recited in claims 1, 3, 4, 6 8 through 10 relates to organic dye molecules and nonlinear optical polymeric compounds containing chromophores. However, Korean Patent No. 169910 (October 13, 1998) that was published prior to the filing date of this application discloses nonlinear optical polyimide compounds represented by Formula (2). There are no specific differences between the two inventions in terms of the molecular structure of a compound and acting effect. Therefore, one of ordinary skill in the art could easily invent the subject matter of the invention from the cited reference, and thus, this application cannot be patented as it does not satisfy the requirement of Korean Patent Law Art. 29(2).

Enclosure: Korean Patent No. 169910

30 January 2004

Seong-keun Choi/Examiner
Fine Chemistry Part
Examination Division 3
Korean Industrial Property Office

출력 일자: 2004/1/31

발송번호 : 9-5-2004-003480892

수신 : 서울 서초구 서초3동 1571-18 청화빌딩 2

발송일자 : 2004.01.30

층(리&목특허법률사무소)

제출기일 : 2004.03.30

이영필 귀하

137-874

특허청 의견제출통지서

출원인 명칭 한국전자통신연구원 (출원인코드: 319980077638)

주소 대전 유성구 가정동 161번지

대리인 성명 이영필 외 1 명

주소 서울 서초구 서초3동 1571-18 청화빌딩 2층(리&목특허법률사무소)

출원번호 10-2001-0085041

발명의 명칭 유기 단분자 색소 물질과 발색단을 포함하는 비선형 광학고분자 화합물

이 출원에 대한 심사결과 아래와 같은 거절이유가 있어 특허법 제63조의 규정에 의하여 이를 통지하오니 의견이 있거나 보정이 필요할 경우에는 상기 제출기일까지 의견서[특허법시행규칙 별지 제25호의2서식] 또는/및 보정서[특허법시행규칙 별지 제5호서식]를 제출하여 주시기 바랍니다.(상기 제출기일에 대하여 매회 1월 단위로 연장을 신청할 수 있으며, 이 신청에 대하여 별도의 기간연장 승인통지는 하지 않습니다.)

[이유]

이 출원의 특허청구범위 제1항, 제3항, 제4항, 제6항, 제8항 내지 제10항 및 제10항에 기재된 발명은 그 출원전에 이 발명이 속하는 기술분야에서 통상의 지식을 가진 자가 아래에 지적한 것에 의하여 용이하게 발명할 수 있는 것이므로 특허법 제29조제2항의 규정에 의하여 특허를 받을 수 없습니다.

본원발명의 청구범위 제1항, 제3항, 제4항, 제6항, 제8항 내지 제10항 및 제10항은 유기 단분자 색소 물질과 발색단을 포함하는 비선형 광학고분자 화합물에 관한 것으로 본 출원전에 공지된 국내등록특허공보 등록번호 특169910 (1998.10.13)호에/일반식(2)로 표시되는 비선형 광학 폴리이미드 화합물이 기재되어 있어 화합물의 분자구조 및 작용효과에 있어 특이한 차이점이 없으므로 본원은 통상의 지식을 가진자가 상기 인용참증으로부터 용이하게 발명할 수 있는 정도의 것으로 특허법 제29조 제2항의 규정에 의거 특허받을 수 없습니다.

[첨부]

첨부1 국내등록특허공보 등록번호 특169910호 사본1부 끝.

2004.01.30

특허청

심사3국

정밀화학심사담당관실

심사관 최성근

0016692

출력 일자: 2004/1/31

<<안내>>

문의사항이 있으시면 ☎ 042-481-5575 로 문의하시기 바랍니다.

특허청 직원 모두는 깨끗한 특허행정의 구현을 위하여 최선을 다하고 있습니다. 만일 업무처리과정에서 직원의 부조리행위가 있으면 신고하여 주시기 바랍니다.

▶ 홈페이지(www.kipo.go.kr)내 부조리신고센터